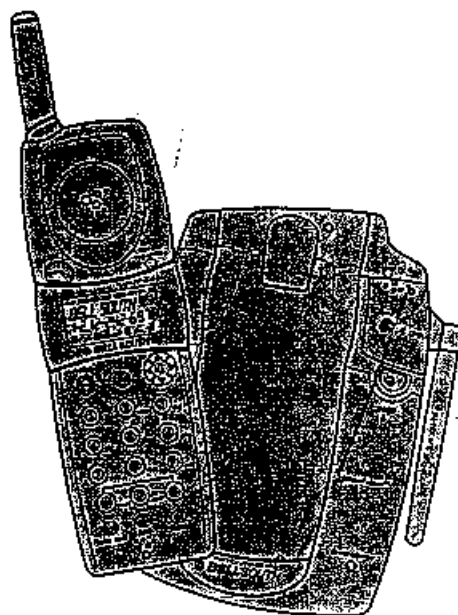# ⊕ **BELL**SOUTH

2.4 GHz CORDLESS CALLER ID TELEPHONE WITH CALL WAITING
50 CHANNEL AUTOSCAN

Model GH9454

OWNER'S MANUAL INSTALLATION AND OPERATING INSTRUCTIONS

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE.
KEEP FOR YOUR REFERENCE.

For installation information, please see "Getting Started" instructions on page 10 or your separate Quick Start guide.

Special Features

Congratulations on your selection of a quality **BellSouth Product**. With proper care and adherence to the set-up and user instructions in this Owner's Manual, this unit will provide you with years of trouble-free service. BellSouth is committed to providing quality products that fit your needs. We would like to have any comments or suggestions you might have on this product. You may mail your comments to:

U.S. Electronics

105 Madison Avenue

New York, NY 10016

When examining your new BellSouth cordless telephone, you will find an array of special features including:

Filtered Sound™ System - Receives considerably less noise than conventional cordless telephones because of a special circuit which delivers the clearest possible reception.

50 Channel Autoscan - Press the ▪Scan/Del▪ button on the HANDSET to find and lock on to the clearest channel for any call.

Desk or Wall Mount - Use this equipment as a desk phone or as a wall phone.

Tone or Pulse Dialing - Use this phone for either tone or push-button pulse (rotary) dialing.

Automated Functions - Redial the last number called and automatic STANDBY mode.

Security - Ensures greater privacy because of a built-in security code with 65,536 combinations that prevents use of your telephone line by another nearby cordless phone.

Dependable Battery - Recharge your BATTERY PACK many times with the built-in CHARGER. The battery low warning tone tells you when the BATTERY PACK needs recharging. (See page 16.)

Special Services - Use the ▪flash/edit▪ button to access special services such as Call Waiting supplied by your telephone company or company switchboard.

STANDBY Mode - When in STANDBY mode (ON-HOOK), the phone is capable of receiving a call. When the HANDSET is on the BASE UNIT, it is automatically in the STANDBY mode (ON-HOOK). When the HANDSET is taken off the BASE UNIT, it remains in the STANDBY mode until you activate the ▪talk▪ button.

Battery Power Saver - Once fully charged, in STANDBY mode, the HANDSET can receive/send calls for a maximum of five days without the need for recharging. Length of charge depends on frequency of use.

Luminous LCD Screen - The LCD Screen emits light for 5 seconds everytime you press any of the TELEPHONE KEYPAD button.

HANDSET Ringer Level - Select the ringer sound level (HI, LOW, OFF).

HANDSET Volume Control Switch - Select the receiver volume level (HI, MID, LOW).

HEADSET JACK - Your telephone can utilize a headset for hands-free communication.

BELT CLIP - Use the BELT CLIP to hang your HANDSET on your belt.

Special Features

CALLER ID SYSTEM

Multi-Function Large LCD Screen - Shows the number you are dialing and, with Caller ID service (available through subscription from your local telephone company), displays information about the caller before you answer the call.

Name and Number Directory - Stores up to 40 names and numbers so that you can call them with a single key stroke.

Caller List - Available with Caller ID service. Stores up to 80 calls to keep track of everyone who called. The name, phone number, time and date of the call are recorded. Allows you to return their calls with a single key stroke.

Preferred Calls - You can mark the name and number of a welcome caller in the DIRECTORY. When that number calls in, the caller's name will appear on the LCD Screen and a special ring sound will be heard.

Blocked Calls - You can mark the name and number of an unwelcome caller in the DIRECTORY. When that number calls in, the caller's name will appear on the LCD Screen and the ringer will be disabled.

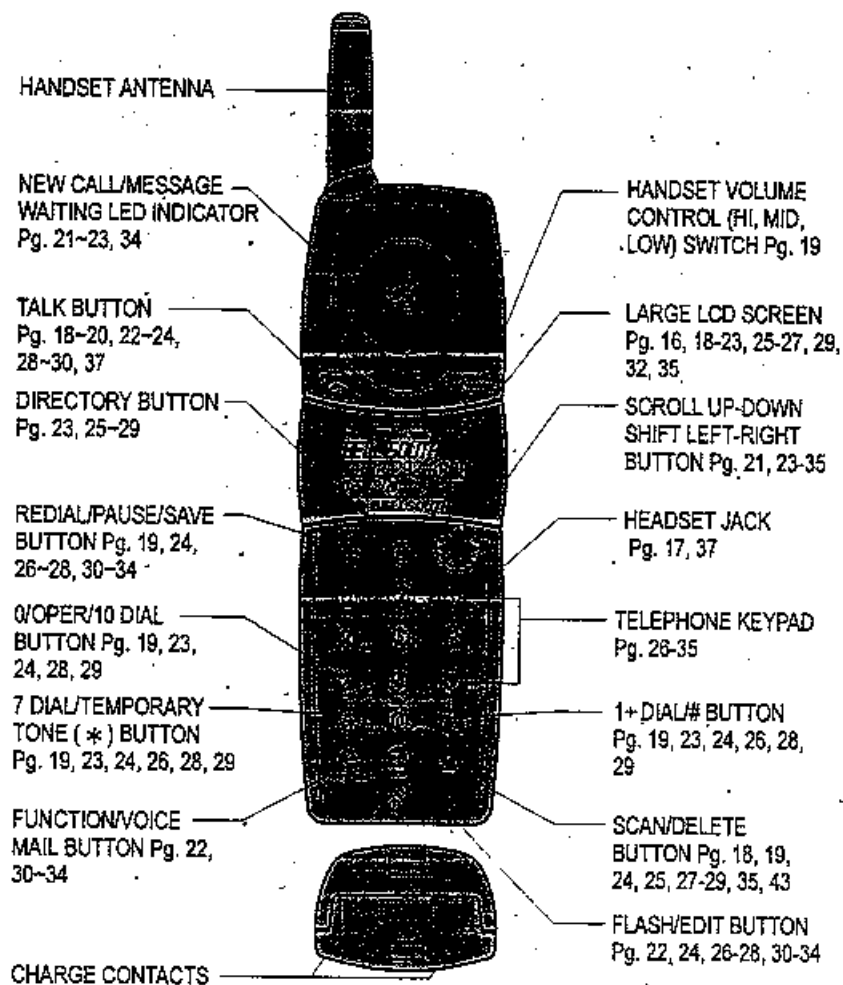**Repeat Call Indicator** - Shows if a new incoming call has called more than once.

Out of Area Call Indicator - Advises you that the incoming call is not in a Caller ID service area.

Unknown Call Indicator - Advises you that the origin of the incoming call has no name and does not support the Caller ID system.

Call Waiting Service - Displays the name and number of the second caller, if you have subscribed for Call Waiting service from your local telephone company (see page 22.)

Voice Mail - Indicates message waiting signal if you have subscribed to Voice Mail message service. This telephone emits a Stutter Dial Tone signal everytime there is a Voice Mail message for you from your Voice Mail message provider.
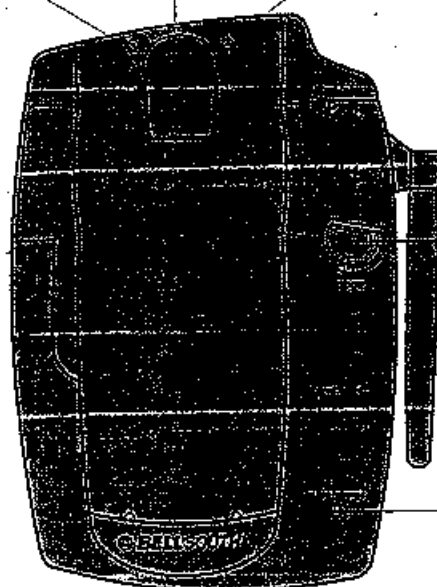
Controls and Functions

HANDSET ANTENNA

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TALK BUTTON
Pg. 18~20, 22~24,
28~30, 37

DIRECTORY BUTTON
Pg. 23, 25~29

REDIAL/PAUSE/SAVE
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0/OPER/10 DIAL
BUTTON Pg. 19, 23,
24, 28, 29

7 DIAL/TEMPORARY
TONE (*) BUTTON
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30~34

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LOW) SWITCH Pg. 19

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24, 25, 27-29, 35, 43

FLASH/EDIT BUTTON
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For installation information, please see
"Getting Started" instructions on page 10
or your separate Quick Start guide.

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Controls and Functions

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POWER-IN
CONNECTION JACK

TONE/PULSE
SELECT SWITCH
Pg. 13

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Pg. 20, 38, 16

CHARGE TERMINALS

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Contents

Safety Instructions

┌───┐
│ Attach your purchase receipt here.   │
└───┘

For your future reference

Serial No.: _____ Date of purchase: _____

(found on the bottom of the BASE UNIT)

Name and address of dealer: _____

Please read these IMPORTANT SAFETY INSTRUCTIONS before use. Read and understand all instructions.

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock and/or injury, always follow these basic safety precautions when using your cordless telephone equipment.

1. Do not use this telephone near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, or anywhere else where there is water.

2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

3. Do not use the telephone to report a gas leak in the vicinity of the leak.

4. Use the power cord and BATTERY PACK indicated in the Owner's Manual. Do not dispose of the BATTERY PACK in a fire. The BATTERY PACK may explode. Check with local codes for possible special disposal instructions.

5. Follow all warnings and instructions marked on the telephone.

6. Unplug this telephone from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

7. Place this unit securely on a stable surface. Serious damage and/or injury may result if the telephone falls.

8. Do not cover the slots and/or openings on this telephone. This telephone should never be placed near or over a radiator or heat register. This telephone should not be placed in a built-in installation unless proper ventilation is provided.

9. Operate this telephone using the electrical voltage as stated on the BASE UNIT or in the Owner's Manual. If you are not sure of the voltage in your home, consult your dealer or local power company.

10. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.

11. Do not overload wall outlets or extension cords as this can increase the risk of fire or electrical shock.

12. Never push objects of any kind through slots in the telephone as this may result in the risk of fire or electric shock. Never spill any liquid on the telephone.

13. To reduce the risk of electric shock, do not take this telephone apart. When service or repair work is required on this telephone, take it to a qualified service representative. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause electric shock when the telephone is subsequently used.

14. Unplug this telephone from the wall outlet and consult a qualified service representative under the following conditions:

    A. When the power supply is frayed or damaged.

    B. If liquid has been spilled into the telephone.

    C. If the telephone has been exposed to rain or water.

    D. If the telephone does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of the other controls may result in damage and will often require extensive work by a qualified technician to restore the telephone to normal operation.

    E. If the telephone has been dropped or the case has been damaged.

    F. If the telephone exhibits a distinct change in performance.

Installation Instructions:

1. Never install telephone wiring during a lightning storm.

2. Never install telephone jacks in a wet location unless the jack is specifically designed for wet locations.

3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

4. Use caution when installing or modifying telephone lines.

SAFETY INSTRUCTIONS | 8

Safety Instructions

IMPORTANT SAFETY INSTRUCTIONS
(Continued)

Battery Safety
CAUTION:
To reduce the risk of fire or personal injury, read and follow these instructions:

1. Use only the following type and size BATTERY PACK: Ni-Cd BATTERY PACK: Model B650
2. Do not dispose of the BATTERY PACK in a fire. It may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the BATTERY PACK. Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling the BATTERY PACK to prevent shorting the BATTERY PACK with conducting materials such as rings, bracelets, and keys. The BATTERY PACK or conductor may overheat and cause burns.
5. Charge the BATTERY PACK provided with or identified for use with this telephone only in accordance with the instructions and limitations specified in this Owner's Manual.
6. Observe proper polarity orientation between the BATTERY PACK and the BATTERY CHARGER.

SAVE THESE INSTRUCTIONS

ATTENTION:
The telephone that you have purchased contains a rechargeable BATTERY PACK. The BATTERY PACK is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this BATTERY PACK into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

Other Information

If your telephone is equipped with automatic dialers:
When programming emergency numbers and/or making test calls to emergency numbers:

1. Remain on the line and briefly explain to the dispatcher the reason for the call.
2. Perform such activities in the off-peak hours, such as early morning or late evenings.

Technical Information
This cordless telephone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with a cordless telephone. While these are normal, the following could affect the operation of your system.

Noise
Electrical pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electrical equipment such as light dimmers, fluorescent bulbs, motors, and fans also generate noise pulses. Because radio frequencies are susceptible to these noise pulses, you may occasionally hear them in your HANDSET. Generally they are minor annoyance and should not be interpreted as a defect in your system.

Range
Because radio frequency is used, the location of the BASE UNIT can affect the operating range. Try several locations in your home or office and pick the one that provides the clearest signal to the HANDSET.

Interference
Electronic circuits activate a relay to connect the cordless telephone to your telephone line. These electronic circuits operate in the radio frequency spectrum. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals enter the BASE UNIT. You may hear clicks or hear the relay activate while you are not using the HANDSET. If the interference occurs frequently, it can be minimized or eliminated by lowering the height of your BASE ANTENNA or by relocating the BASE UNIT. You can check for interference before selecting the final BASE UNIT location by plugging in the phone.

NOTICE:
This cordless telephone uses radio communication between the HANDSET and the BASE UNIT and may not ensure privacy of communication. Other devices, including other cordless telephones, may interfere with the operation of this cordless telephone or cause noise during operation. Units not containing coded access may be accessed by other radio communication systems. Cordless telephones must not cause interference to any licensed radio service.

Getting Started

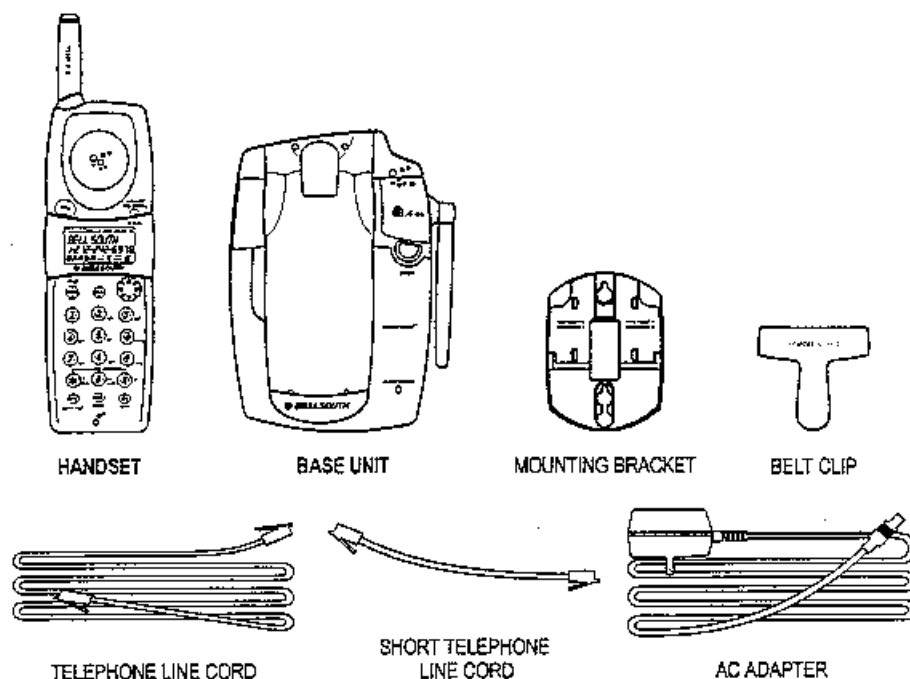Before you use your phone, you must set it up properly.

Step 1. Checking the package contents. (page 10)
Step 2. Setting up the BASE UNIT. (pages 11 to 15)
Step 3. Preparing the HANDSET. (pages 16 to 17)

Step 1. Checking the package contents.

A. Make sure you receive the following items in the package. If anything is missing or damaged, return it to the place of purchase.

HANDSET   BASE UNIT   MOUNTING BRACKET   BELT CLIP

TELEPHONE LINE CORD   SHORT TELEPHONE LINE CORD   AC ADAPTER

B. You should have a **HANDSET, BASE UNIT**, AC ADAPTER, MOUNTING BRACKET, TELEPHONE LINE CORD, SHORT TELEPHONE LINE CORD, BELT CLIP and Owner's Manual.

Getting Started

Step 2: Setting up the BASE UNIT

Proper set up requires the following:
1. Choose the best location.
2. Connect the **BASE UNIT**.
3. Choose the DIALING mode.
4. Mounting the **BASE UNIT**.

1. Calls are transmitted between the **BASE UNIT** and the **HANDSET** using radio waves. The recommended location of the **BASE UNIT** for noise-free operation is:

1. Bathroom or laundry room - Away from excessive moisture, extremely low temperatures, dust, mechanical vibration, or shock
2. TV - Away from TV sets, VCRs, and other electronic equipment
3. Window - Away from noise and heat sources such as windows facing a street with heavy traffic, registers, radiators.
4. Cordless Telephone in Central Location - **Near a central location and on a level surface**
5. Microwave Oven - Away from a microwave oven.
6. Computer - Away from a personal computer.
7. Cordless Telephone - Away from another cordless telephone